

Title (en)
MODULAR LOW NOISE SILENCERS FOR COMMERCIAL VEHICLES

Title (de)
GERÄUSCHARMER MODULARER SCHALLDÄMPFER FÜR NUTZFAHRZEUGE

Title (fr)
SILENCIEUX MODULAIRE À FAIBLE BRUIT POUR VÉHICULES UTILITAIRES

Publication
EP 4339046 A1 20240320 (EN)

Application
EP 22195256 A 20220913

Priority
EP 22195256 A 20220913

Abstract (en)
The present application deals with a silencer (1) for compressed air systems, comprising:an inlet opening (3) for a compressed gas flow,a first sound damping means (4) being arranged downstream of the inlet opening (3);a second sound damping means (6) being arranged downstream of the first sound damping means (4);a grid (8) being arranged downstream of the second sound damping means (6), comprising at least two passages (9) through which the compressed air flow is adapted to leave the silencer (1),wherein the first sound damping means (4) has a smaller diameter compared to the second sound damping means (6),and wherein the second sound damping means (6) has at least a portion with higher density compared to the first sound damping means (4).Such improved silencer (1) is able to perform a noise dampening adapted to specific requirements (e.g. technical guidelines, standards), and hence to reach lower noise values compared to systems of prior art.

IPC 8 full level
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CPC (source: EP)
B60T 17/008 (2013.01); **F15B 21/008** (2013.01)

Citation (search report)
• [A] EP 2082138 B1 20100804 - FESTO AG & CO KG [DE]
• [A] EP 3505801 A1 20190703 - DAYCO IP HOLDINGS LLC [US]
• [A] DE 102016100140 A1 20170706 - KNORR BREMSE SYSTEME FUER NUTZFAHRZEUGE GMBH [DE]
• [A] EP 3540207 B1 20210929 - DAYCO IP HOLDINGS LLC [US]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
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DOCDB simple family (application)
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